

PRINT PRINT	? X
PRINTER MAME: \$\alpha \begin{array} \leq \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	PROPERTIES 874 A:PASSTHRU □ PRINT TO FILE HATEAU - 2ND FLOOR
PAGE RANGE ALL CURRENT PAGE SELECTION PAGES: ENTER PAGE NUMBERS AND/OR PAGE RANGES SEPERATED BY COMMAS, FOR EXAMPLE 1,3,5-12 804	COPIES MUMBER OF COPIES: TO COLLATE 806
ENRICHMENT PERSONALITY: BUSINESS APPLY ENRICHMENT TO: ALL CURRENT PAGE PAGES:	O SELECT A PERSONALITY FOR ME INSERT ENRICHMENT AS: LINKS CONTENT OPTIONS
808 PRINT WHAT: DOCUMENT ▼ PRINT: ALL PAGES IN RANGE ▼ OPTIONS	ZOOM 802 870 PAGES PER SHEET: TPAGE SCALE TO PAPER SIZE: NO SCALING OK CANCEL
FIC	2 8

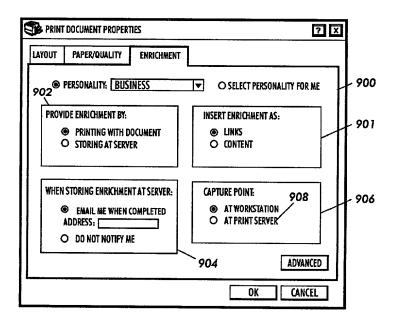
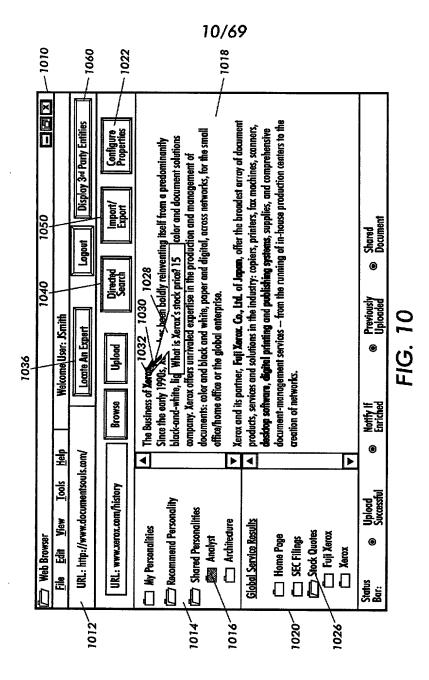


FIG. 9



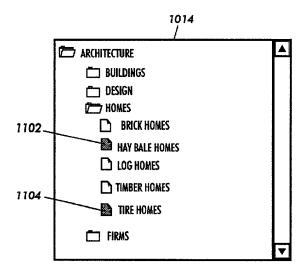


FIG. 11

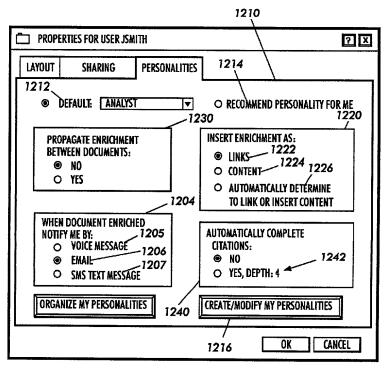
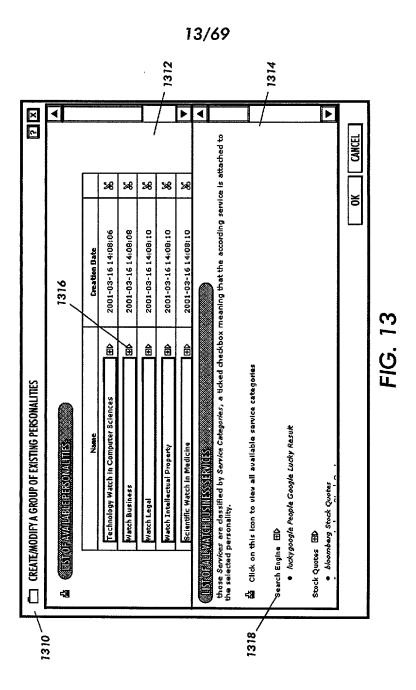
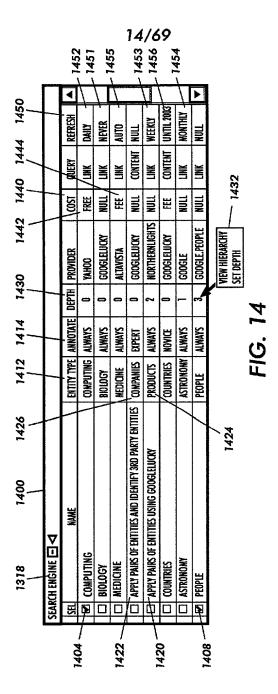


FIG. 12





	1502 /	
☐ CRE	ATE/MODIFY MY PERSONALITIES	? X
NAA	ME: BROWSE 1504	
•	CREATE/MODIFY A GROUP OF EXISTING PERSONALITIES 1500	6
0	USE SELECTED DOCUMENTS AND/OR FOLDERS TO CREATE A NEW PERSONALITY BROWSE 1509	_ 1508
0	USE SELECTED FILE/WEBSITE TO CREATE A NEW PERSONALITY BROWSE	<i>-</i> 1510
0	CREATE QUESTION FORM USING PERSONALITY LEXICONS QUESTION:	_ 1520 <u>_</u>
Hii 1516	nt:1514	:
	KNOWLEDGE ® NOVICE LEVEL: ○ EXPERT 1512 OK CAN	ŒL

FIG. 15

	1600	
CREATE	/MODIFY A GROUP OF EXISTING PERSONALITIES	X
NAME:	TECHNOLOGY WATCH IN ORGANIC CHEMISTRY	
	OPERATION:	
	MERGE 1602	
	O SUBTRACT——1604	
	PERSONALITY A	
	WITH/FROM	
	PERSONALITY B	
	OK CANCEL	

FIG. 16

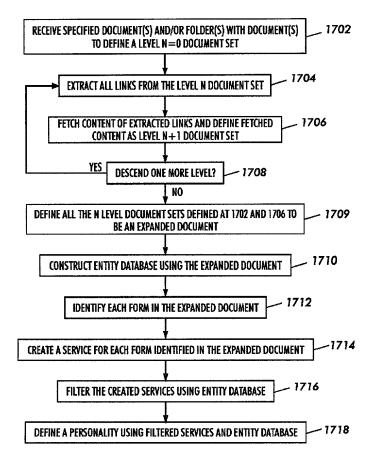
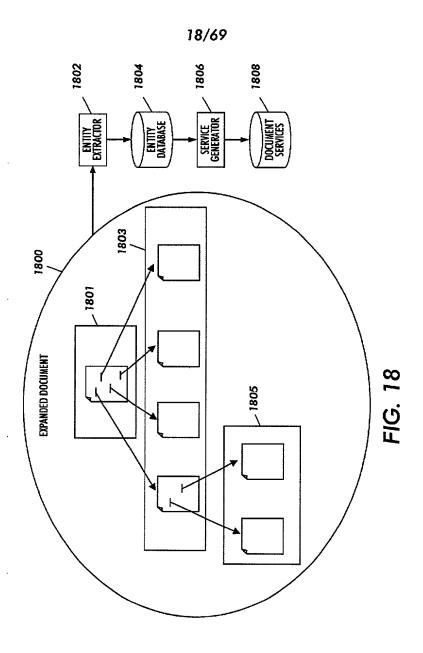


FIG. 17



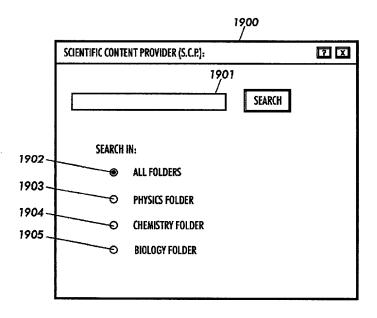


FIG. 19

SGE	SCIENTIFIC SEARCH □◀								
묤	NAME	ENTITY TYPE	ANNOTATE	DEPTH	ENTITY TYPE ANNOTATE DEPTH PROVIDER	LSOO	QUERY	QUERY REFRESH	1
Ð	MEZ ALL FOLDERS RESULT OF SCIENTIFIC CONTENT PROVIDER STANDARD ALWAYS	STANDARD	ALWAYS	0	S.C.P.	FREE	FREE CONTENT NULL	NULL	
	[] PHYSICS RESULT OF SCIENTIFIC CONTENT PROVIDER	PHYSICS ALWAYS	ALWAYS	0	S.C.P.	FREE	FREE CONTENT	NOLL	
	CHEMISTRY RESULT OF SCIENTIFIC CONTENT PROVIDER	CHEMISTRY ALWAYS	ALWAYS	0	S.C.P.	FREE	CONTENT NULL	NOLL	
	☐ BIOLOGY RESULT OF SCIENTIFIC CONTENT PROVIDER	BIOLOGY ALWAYS	ALWAYS	0	S.C.P.	FREE	FREE CONTENT NULL	NOLL	>
	2002	2004							
		Ĭ.	FIG 20	Č					

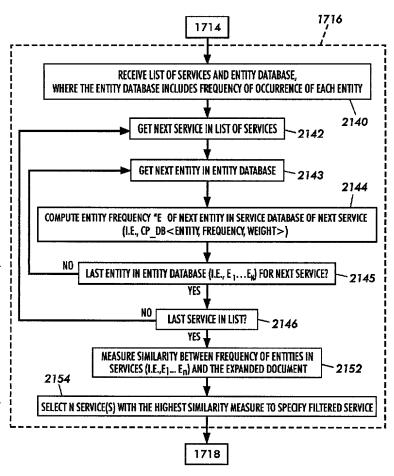


FIG. 21

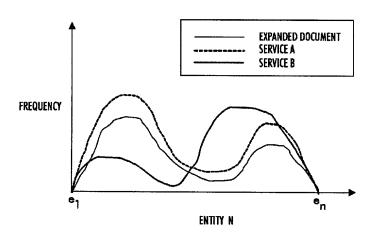


FIG. 22

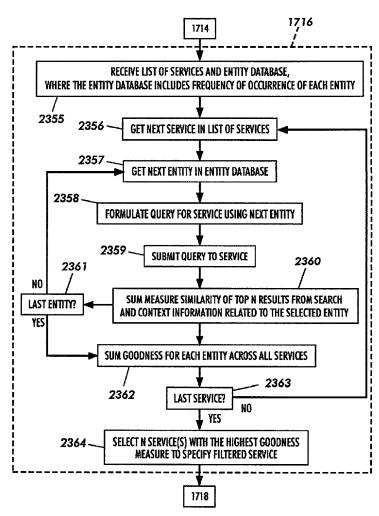


FIG. 23

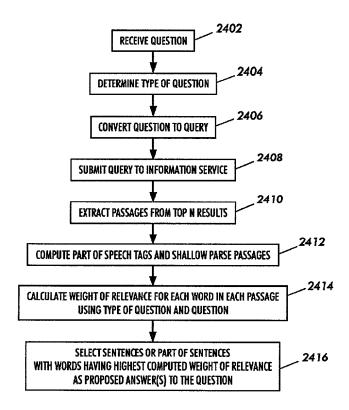
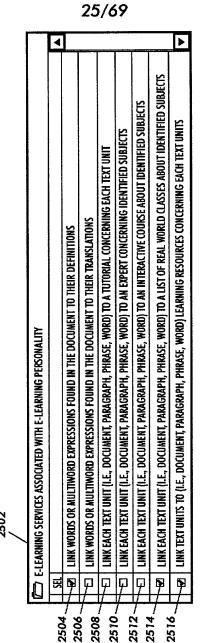


FIG. 24



.

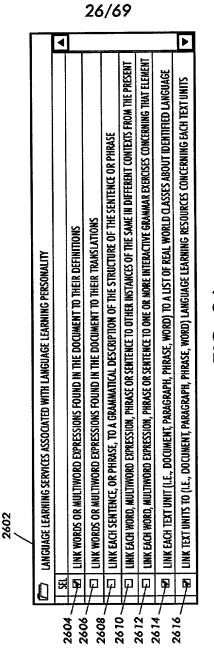


FIG. 26

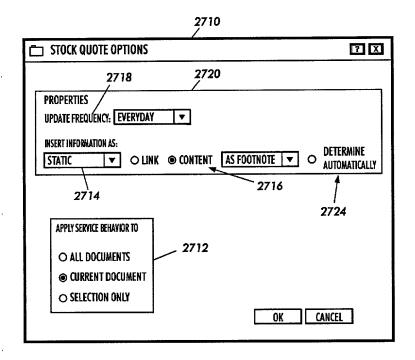
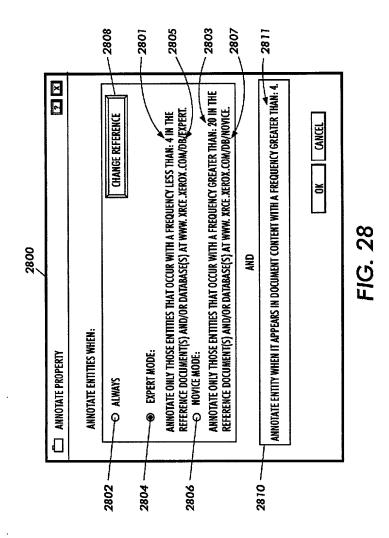


FIG. 27

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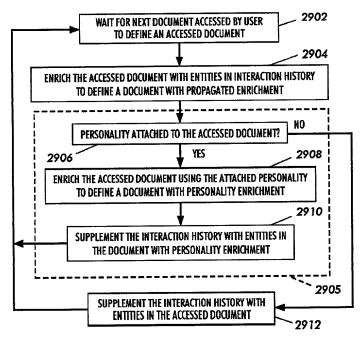


FIG. 29

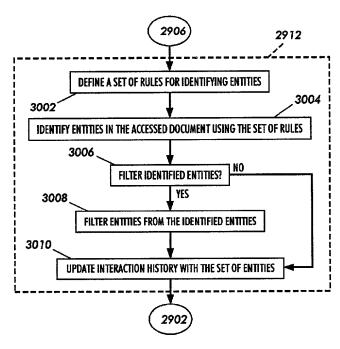
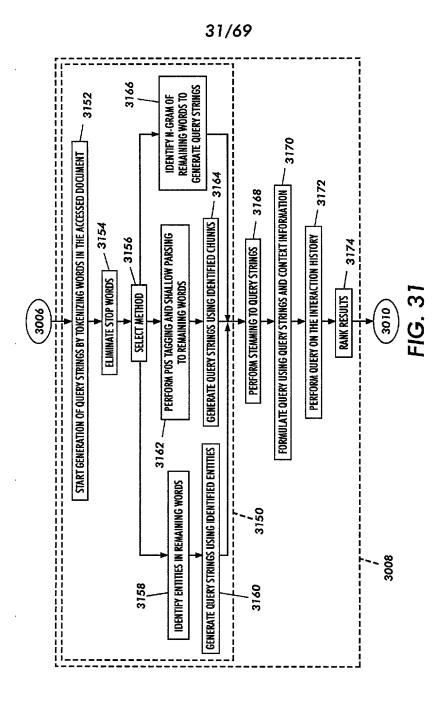
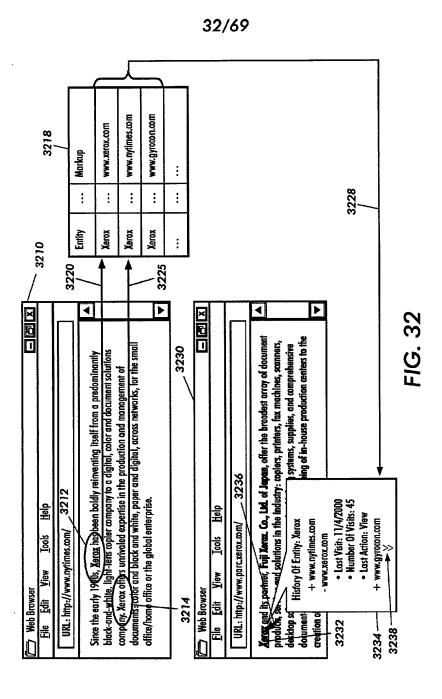


FIG. 30

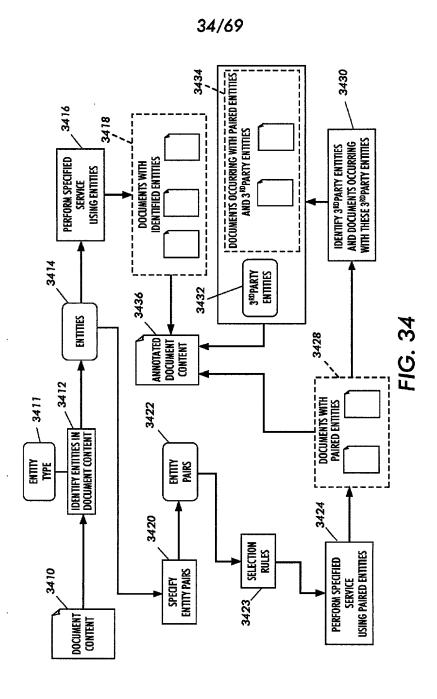


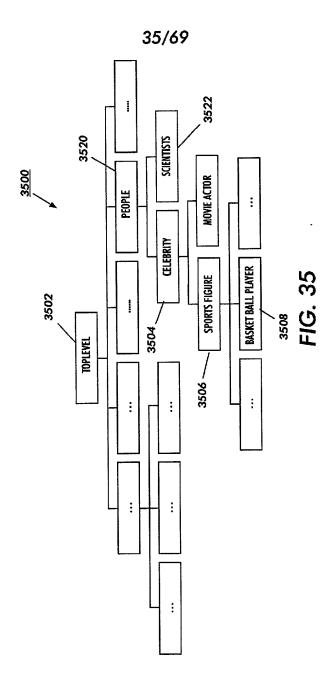


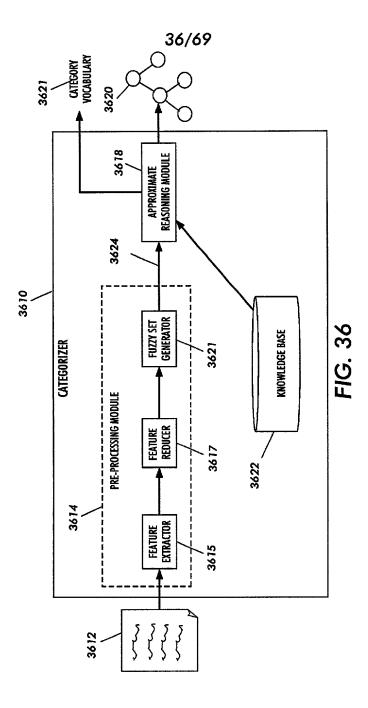
33/69

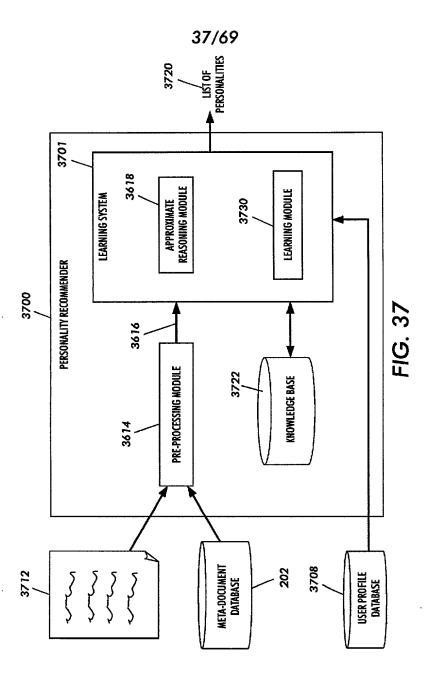
					3218 /			
ENTITY	ENTITY TYPE VISITS LAST VISIT	VISITS	LAST VISIT	ACTION LIST	DMOZ Category	LOCATION POS		MARKUP
XEROX	BUSINESS	45	11/4/2000	VIEW (43), PRINT(2)	BUSINESS	40	NOUN	WWW.XEROX.COM
XEROX	BUSINESS	1	1,002/1/5	VIEW(1)	FINANCE	689	NOON	WWW.NYTIMES.COM
XEROX	BUSINESS	4	2/22/2001	EMAIL(1), VIEW(3)	COMPUTER 343	343	NOON	WWW.GYROCON.COM
••		:			:	:	:	•

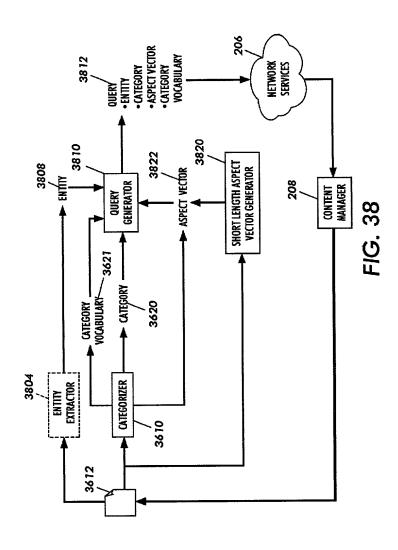
16. 33

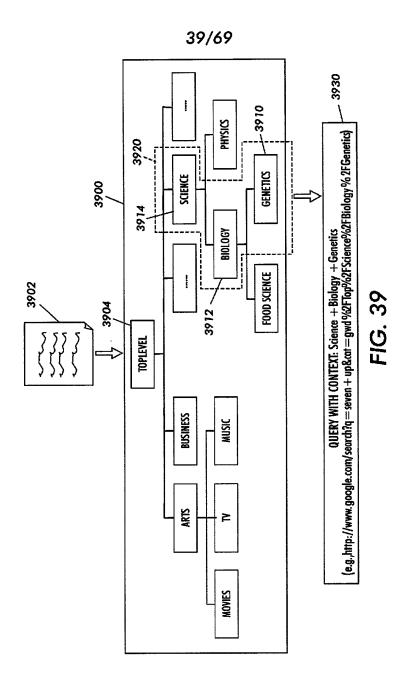


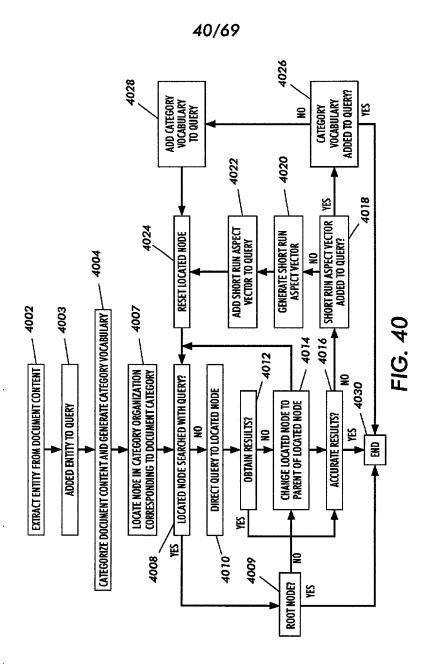


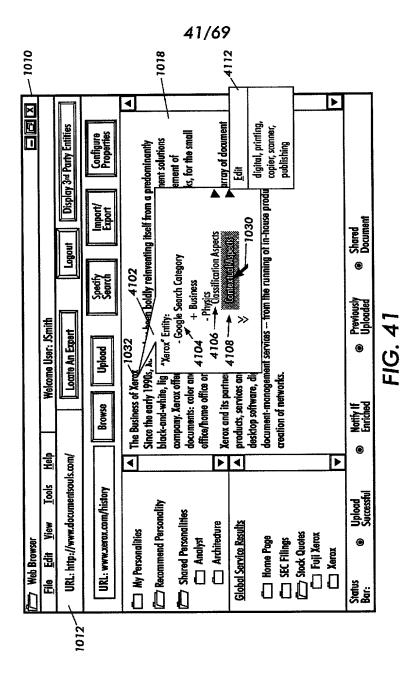


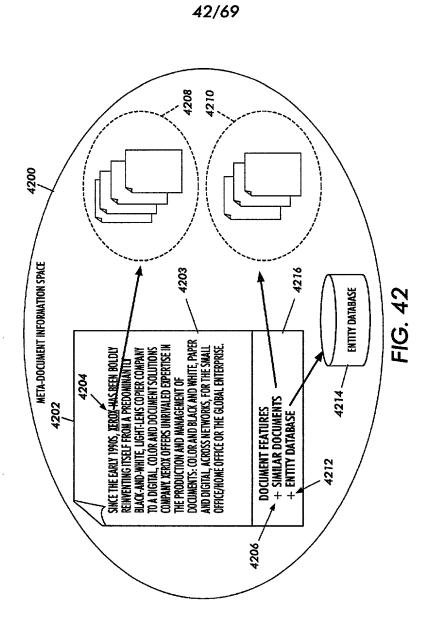




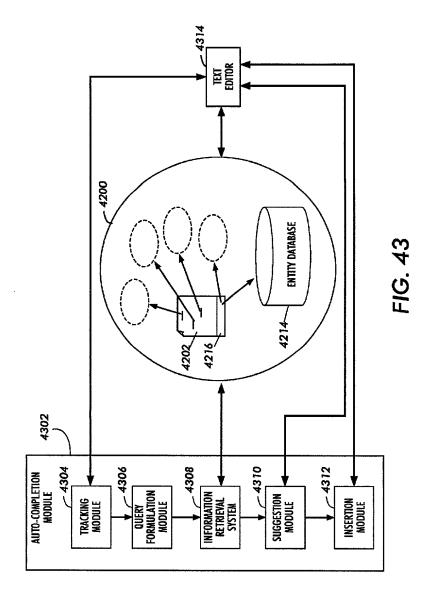


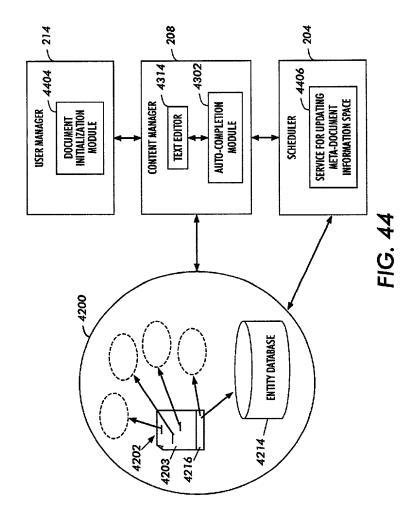


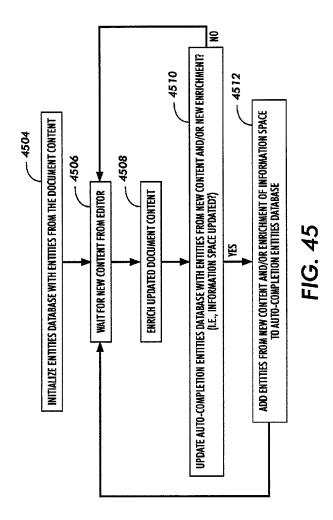












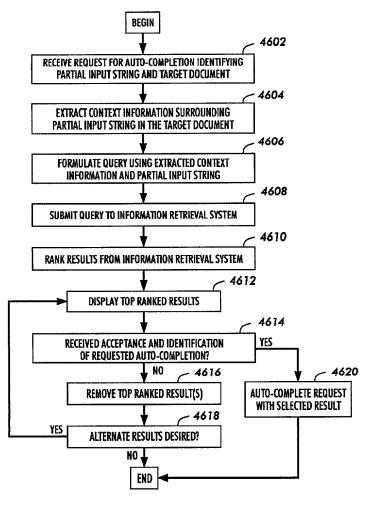
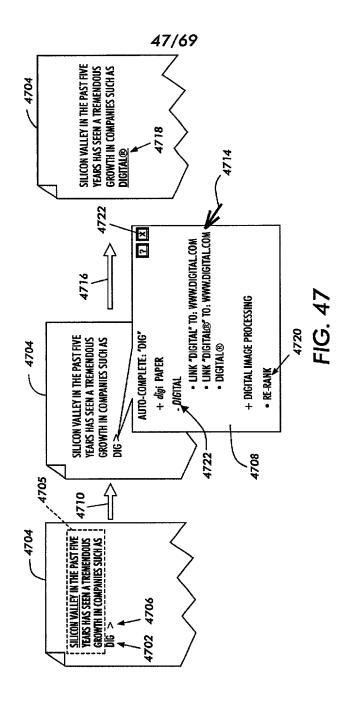


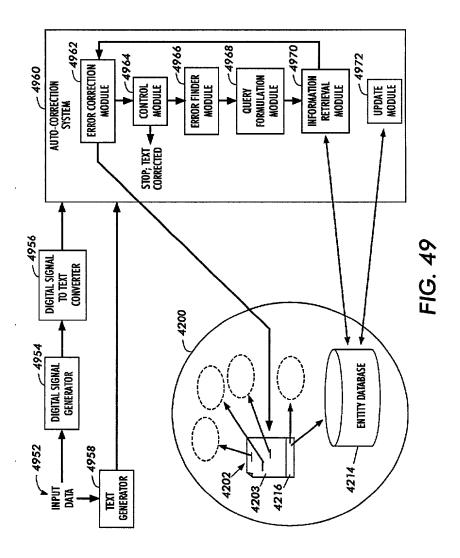
FIG. 46

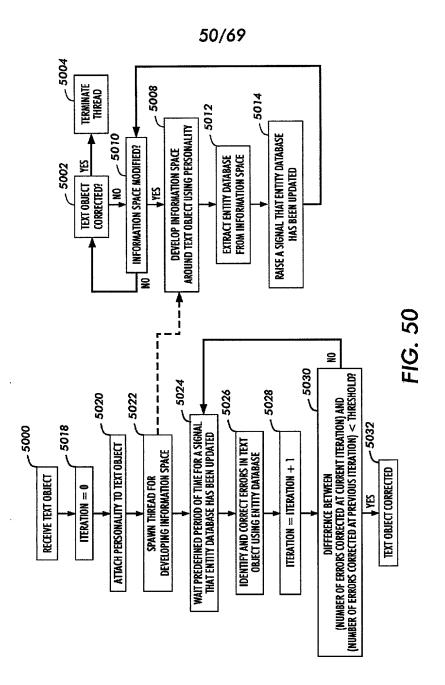


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(F) ORIGIN (G) PART OF (H) CONTEXT POSITION SPEECH	Science	Science	Science	Politics	•
(G) PART OF Speech	Noun	Adjective	Noun	Verb	:
(F) ORIGIN Position		434	23	343	÷
(E) ORIGIN	TARGET DOCUMENT CONTENT	www.digital.com	www.pdrc.xerox.com	www.nytimes.com	:
(D) FORMAT	Capitalize	8	Bold	NONE	:
(C) MARKUP	www.siliconvalley.com	www.digital.com	NONE	NONE	
(B) ENTITY	Silicon Valley	Digital	DigiPaper	digress	•
ĺ					

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FIG. 48





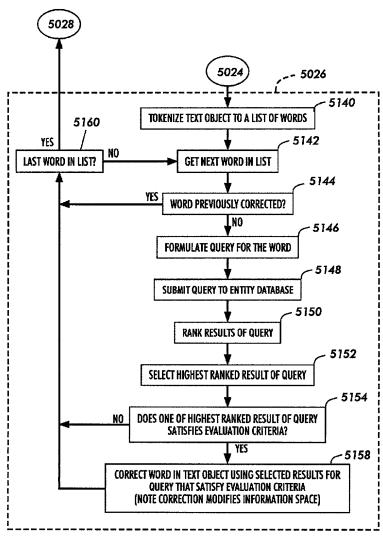
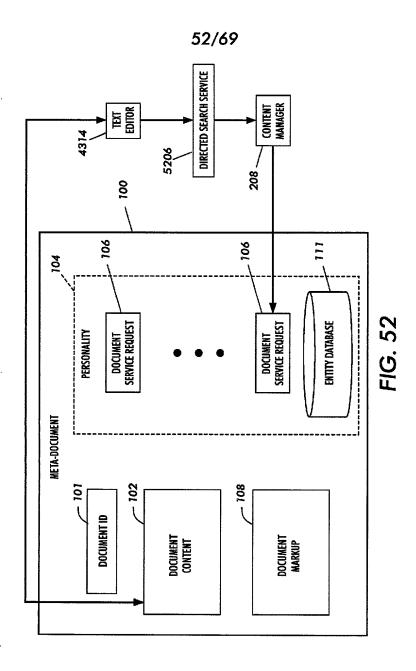


FIG. 51



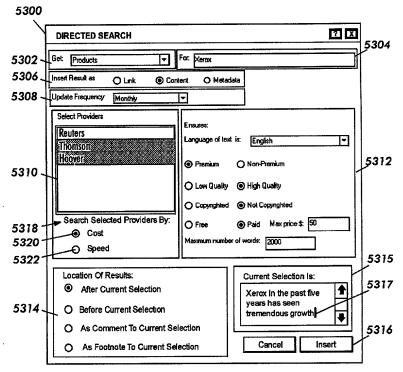


FIG. 53

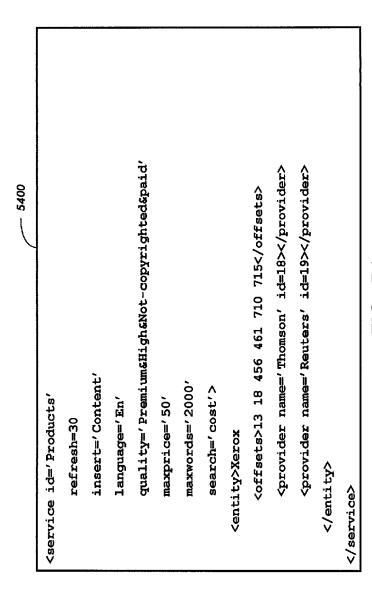


FIG. 54

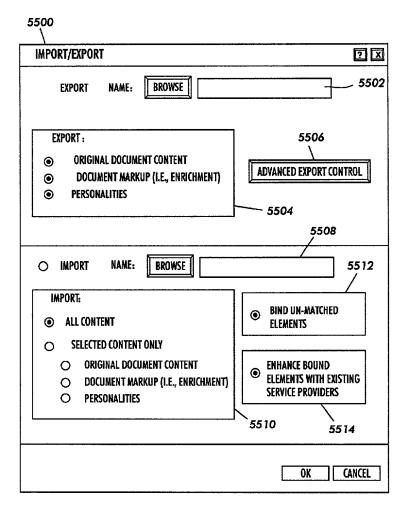


FIG. 55

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<docsouls:originaldoc format="HTML">toto.html</docsouls:originaldoc>
<docsouls:browsingdoc format="HTML">browse.html</docsouls:browsingdoc>
                       <docsouls:serverid> DS v1.0 server name </docsouls:serverid>
                                                                                                                                                                                                                                                                                                                                                                            <!- LIST OF PERSONALITIES AND DOCUMENT SERVICE REQUESTS>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <docsouls:personality id = " " name="" etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        <docsouls:provider name="" etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  <docsouls:service id="" name="" etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <docsouls:provider name="" etc.>
                                                                                               <docsouls:docid> xxx </docsouls:docid>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <docsouls:service id="" name="" etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        <docsouls:provider name="" etc.>
                                                                                                                                 <docsouls:name> xxx </docsouls:name>
                                                                                                                                                                                                                                        <!-- ORIGINAL DOCUMENTS DOCUMENT CONTENT>
                                                                                                                                                                     <docsouls:owner> xxx </docsouls:owner>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <docsouls:provider name=""</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <!-- LIST OF SERVICE REQUESTS>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  </docsouls:endowmentdescription>
                                                                <!- PROPERTIES OF DOCUMENT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                         <!-- LIST OF PERSONALITIES>
                                                                                                                                                                                                                                                                                                                                                                                                                  <docsouls:endowmentdescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    </docsouls:service>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     <docsouls:personality>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    </docsouls:service>
<!- SERVER ID>
```

```
<docsouls:servicestatus status="mapped" originalid="" originalserver="">>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            <!-- list ServerId if the service was not available on current server>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <!-- list all fields (e.g., "refresh period", category, etc.)>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <!-- list status of services (original, frozen, mapped, etc.)>
                                                                                                                     <!-- all the fields AND service categories>
                                                                                                                                                   <docsouls:servicecategory id="" name = "">
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <docsouls:serverid>id</docsouls:serverid>
                                                                                                                                                                                                                                                                                                                                                                                              <!- DESCRIPTION OF DOCUMENT SERVICE REQUESTS>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <docsouls:provider id="" name = "">
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <!- NEXT SERVICE REQUESTS DESCRIPTION>
                                                                               <docsouls:id> xx </docsouls:id>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <docsouls:id> xx </docsouls:id>
                                                                                                                                                                                            </docsouls: personalitydescription>
<!- DESCRIPTIONS OF PERSONALITIES>
                                   <docsouls:personalitydescription>
                                                                                                                                                                                                                                                                           <!- NEXT PERSONALITY DESCRIPTION>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  </docsouls:servicedescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          <!-- list all strategies>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <!-- list all providers>
                                                                                                                                                                                                                                                                                                                                                                                                                                             <docsouls:servicedescription>
```

FIG. 57

```
<!- OTHER RESULTS (E.G. KEYWORDS, CATEGORIES, ETC. >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <docsouls:content> xxx </docsouls:content>
                                                                                               <!-- all the fields e.g. key, URL, etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          <docsouls:link> xxx </docsouls:link>
                                                                                                                                                                                                                                                                                                      <!-- all the fields, e.g. category>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <docsouls:globalservice id="Summary">
                                                                                                                                                                                                                                                                       <docsouls:id> xx </docsouls:id>
                                                              <docsouls:id> xx </docsouls:id>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <docsouls:id> xx </docsouls:id>
                                                                                                                                  </docsouls: providerdescription >
                                                                                                                                                                                                                                                                                                                                         </docsouls:dictionarydescription>
                                                                                                                                                                                                                                       <docsouls:dictionarydescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <!- RESULTS OF GLOBAL SERVICES >
                                                                                                                                                                                                      <!- DESCRIPTION OF DICTIONARIES>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     </docsouls:strategydescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                             <docsouls:strategydescription>
                                <docsouls:providerdescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               <!-all the dictionaries>
<!- DESCRIPTION OF PROVIDERS>
                                                                                                                                                                                                                                                                                                                                                                                                               <!- DESCRIPTION OF STRATEGY>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            </docsouls:globalservice>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <!-all the fields>
```

```
<docsouls:normform>Xerox</docsouls:normform>
<!-- LIST OF OFFSETS WHERE ENTITY IS FOUND IN TEXT RELATIVE TO SECTION >
<docsouls:offsets start=35 end=40 />
<!- (OPTIONAL) DESCRIPTION OF ENRICHMENT PERFORMED AT OTHER DOCUMENT ENRICHMENT</p>
                                                                                                                    <docsouls:personalitydescription>...</docsouls: personalitydescription>
                                                                                                                                                                  <docsouls:servicedescription>...
                                                                                                                                                                                                                                        (OPTIONAL) LIST OF RESULTS OF THE LAST ENRICHMENT>
<!- IDENTIFY DOCUMENT SECTION IN CASE OF MULTI-PART DOC>
<docsouls:docpart>main_frame.html</docsouls:docpart>
                                                                                                                                                                                                                                                                                                                                                                                                                                         <!- STATUS OF SERVICE APPLIED ("ACTIVE" OR "FROZEN") >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <!-- CONTENT INFORMATION >
<docsouls:content> xxx </docsouls:content>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <docsouls:service id="StockQuote" status="active">
                                                                                                                                                                                                                                                                                                                                                         <!- OFFSET WHEN ENRICHMENT APPLIES TO A SECTION>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <docsouls:offsets start=232 end=237 />
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <docsouls:strat> xxx </docsouls:strat>
                                                                                   <docsouls:serverid>olderServerId</docsouls:serverid>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <docsouls:dict> xxx </docsouls:dict>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <docsouls:link> xxx </docsouls:link>
                                                                                                                                                                                                                                                                                                                                                                                                    <docsouls:offset> 0 200 </docsouls:offset>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     <!-- NORMALIZED FORM >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <!-- LINK INFORMATION</p>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <!-- DICTIONARIES >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            <!-- STRATEGIES >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <docsouls:entity>Xerox
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    </docsouls:entity>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     </docsouls:service>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            <i-- SNTITY>
```

-1G. 58B

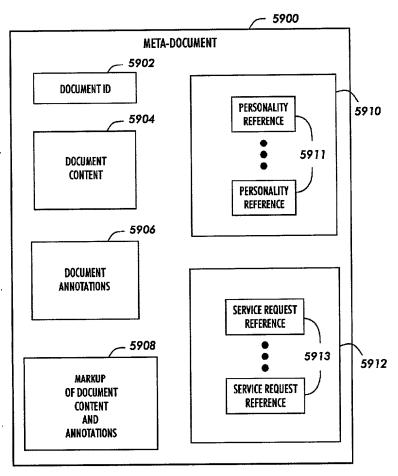
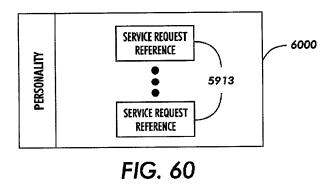


FIG. 59



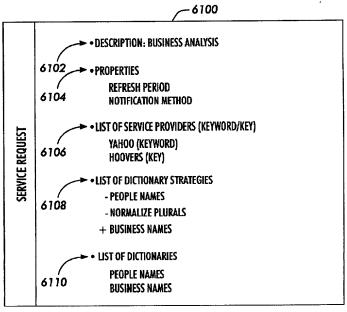
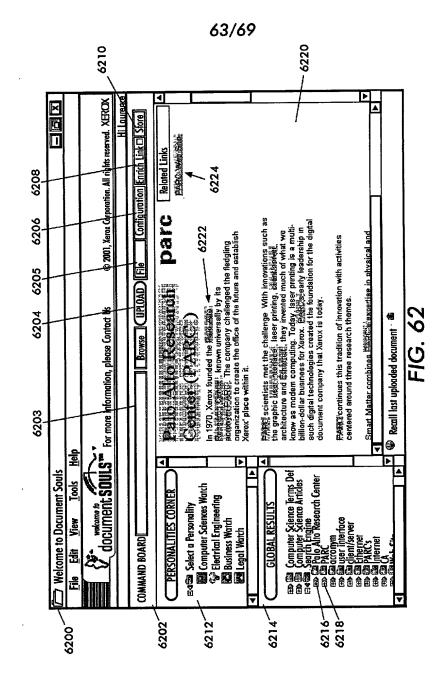


FIG. 61



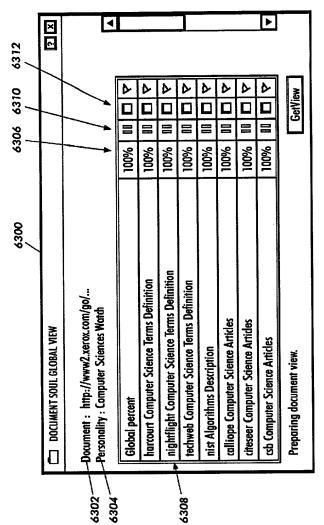
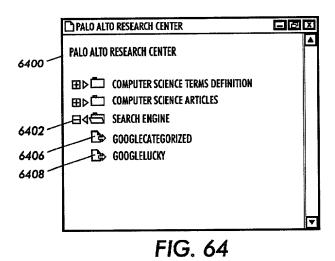
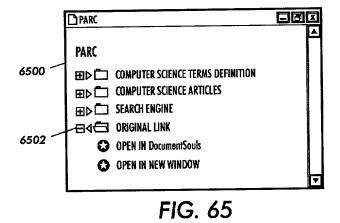


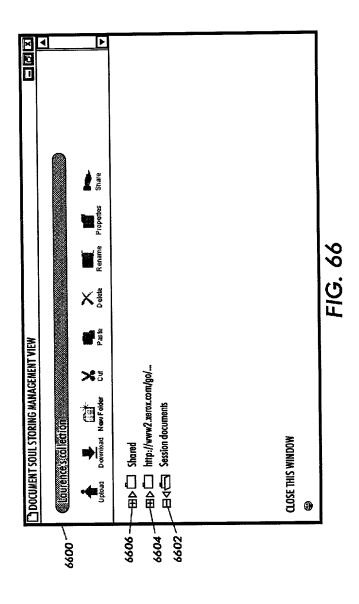
FIG. 63

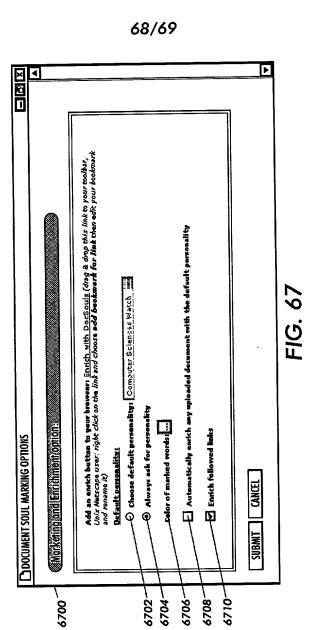


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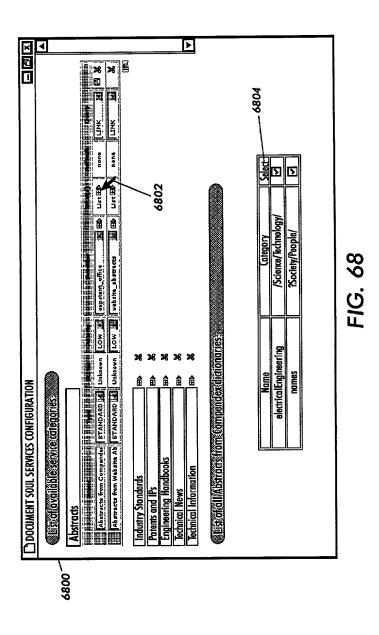


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SUB_TYPE=Utility_Patent_Filing EFS_ID=13168 APP_ID=09683239 DOC_TYPE=specification